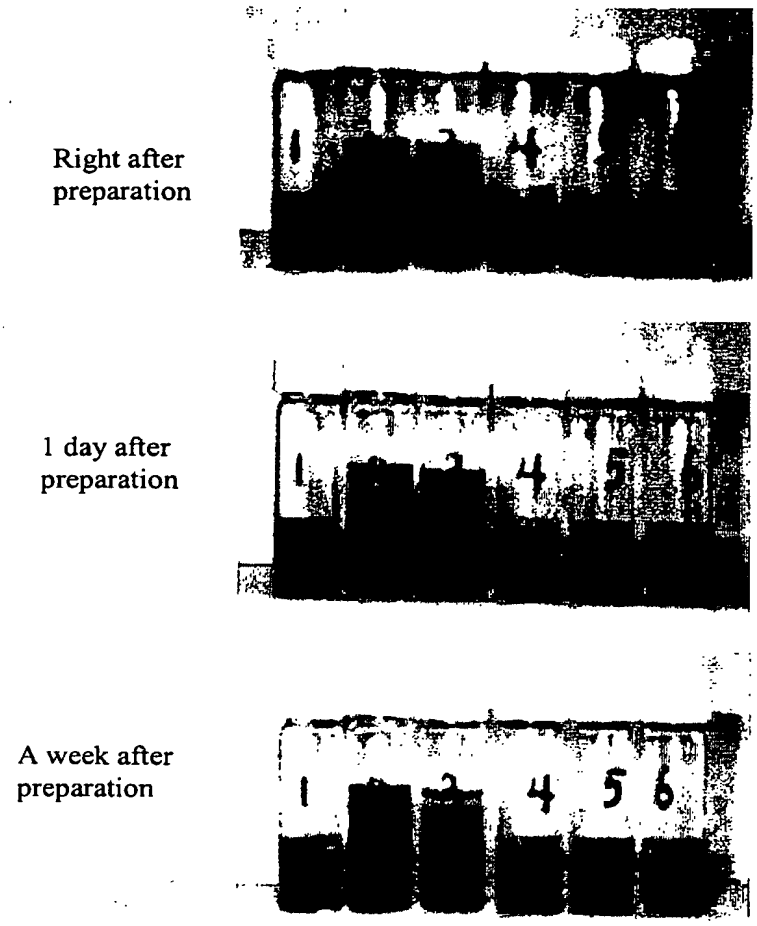
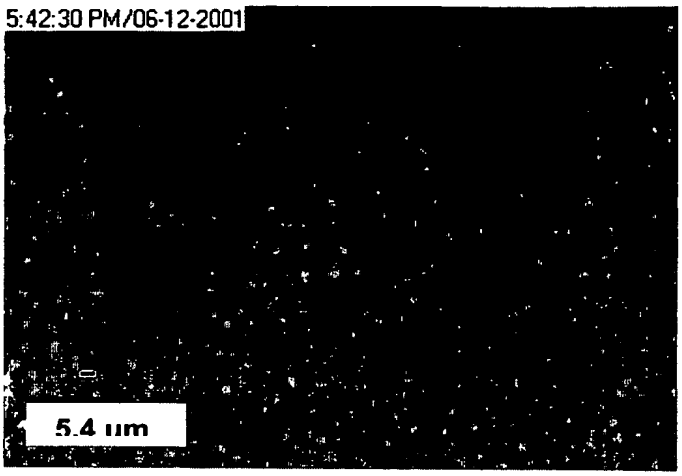



Figure 1. Polymer aqueous-aqueous emulsions with various compositions. (Myoglobin was loaded in the dispersed phase showing rusty color). The pictures were taken as a function of time after preparation.

2A




2B

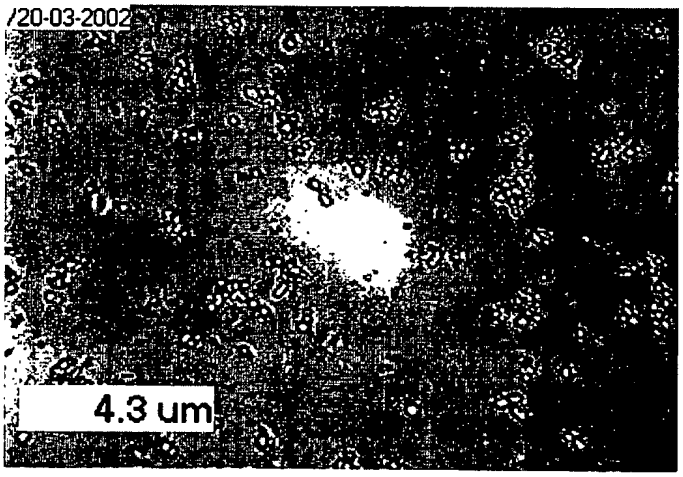
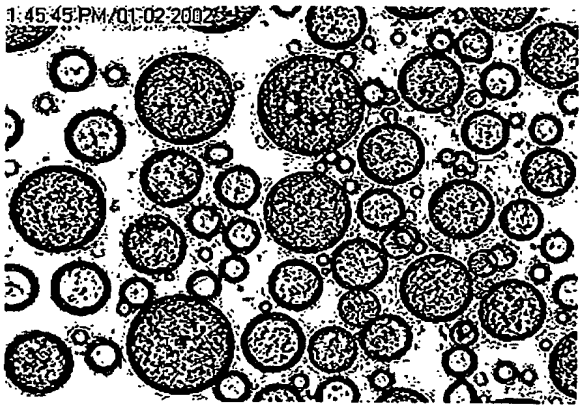



Figure 2. Microscopic images of stable aqueous-aqueous emulsion and polysacchride particles.

3A




3B

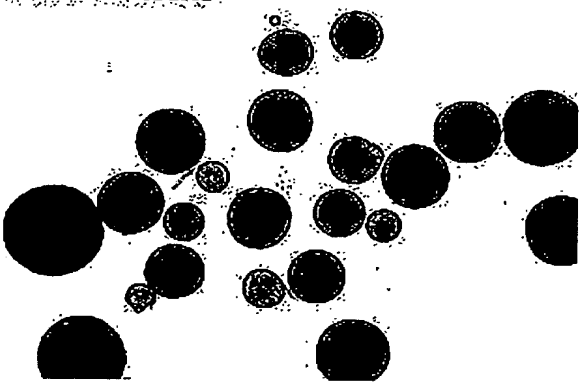



Figure 3. Preparation of PLGA microspheres by a S-O-W double emulsification

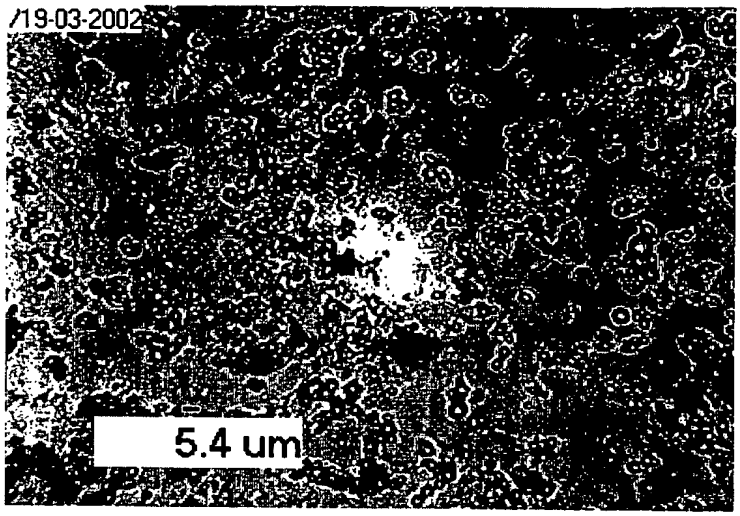



Figure 4. Microscopic image of AqueSpheres recoved from PLGA microspheres (as shown in Figure 3B).

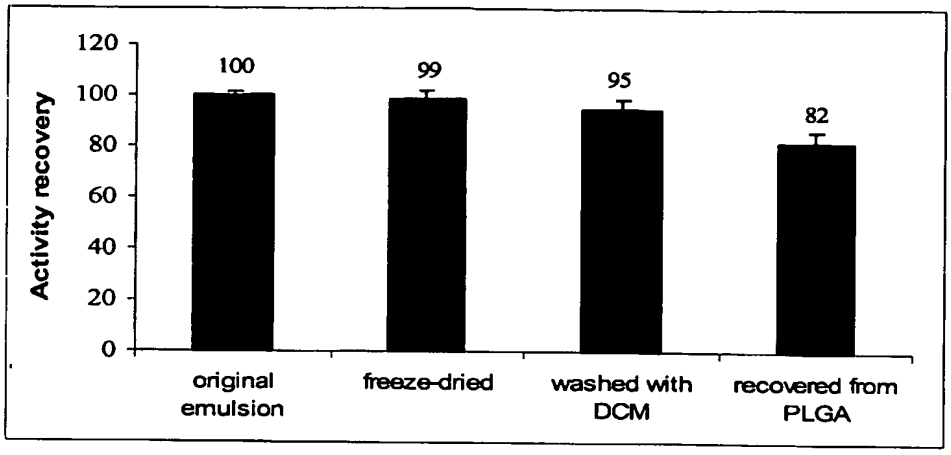



FIGURE 5. Comparation of catalytic activity of β-galactosidase assayed at each step of microencapsulation.

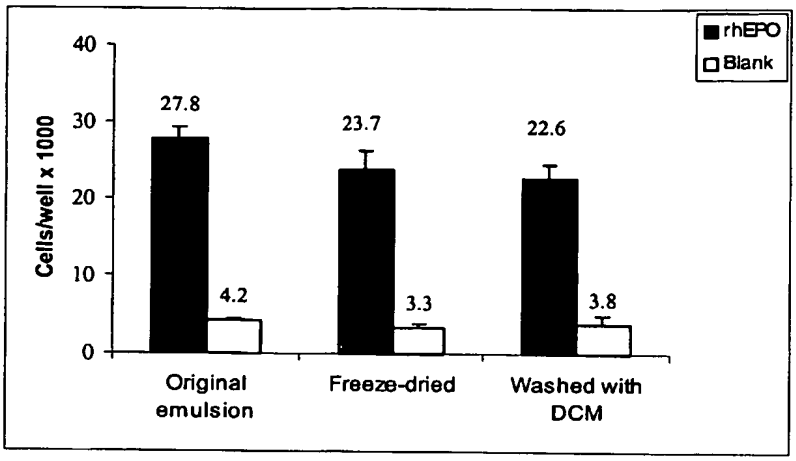



Figure 6. Bioactivity of rhEPO assayed by proliferation of TF1 cells after each preparation step.

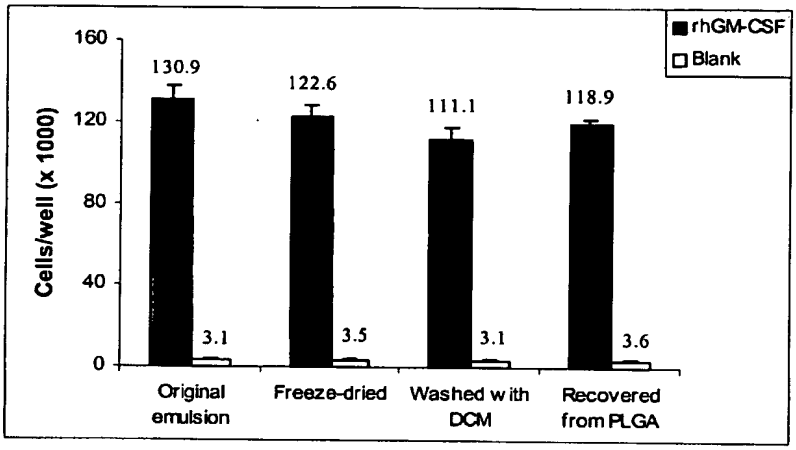



Figure 7. Bioactivity of rhGM-CSF assayed by proliferation of TF1 cells after each preparation step.

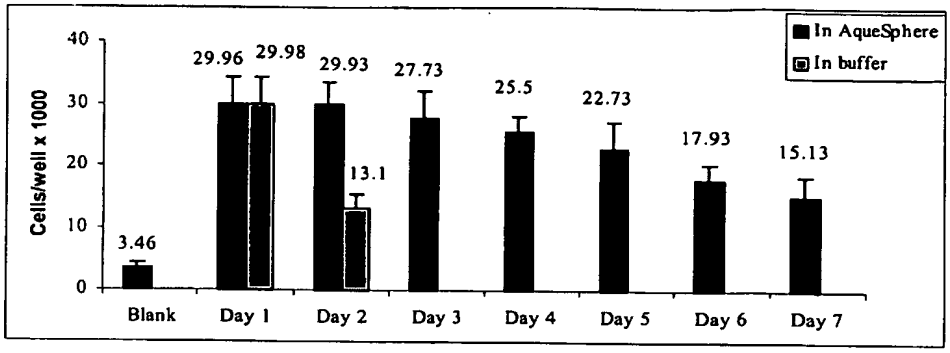



Figure 8. Bioactivity of rhEPOassayed by proliferation of TF1 cells after incubation in a hydrated form at 37 °C.

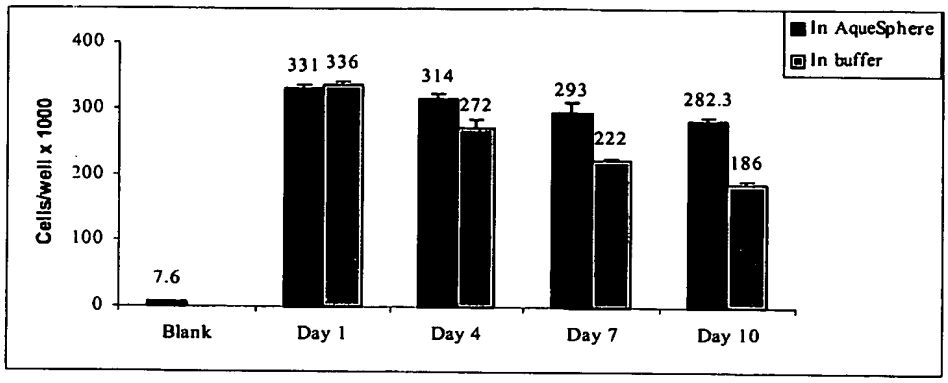



Figure 9. Bioactivity of rhGM-CSF assayed by proliferation of TF1 cells after incubation in a hydrated form at 37 °C.

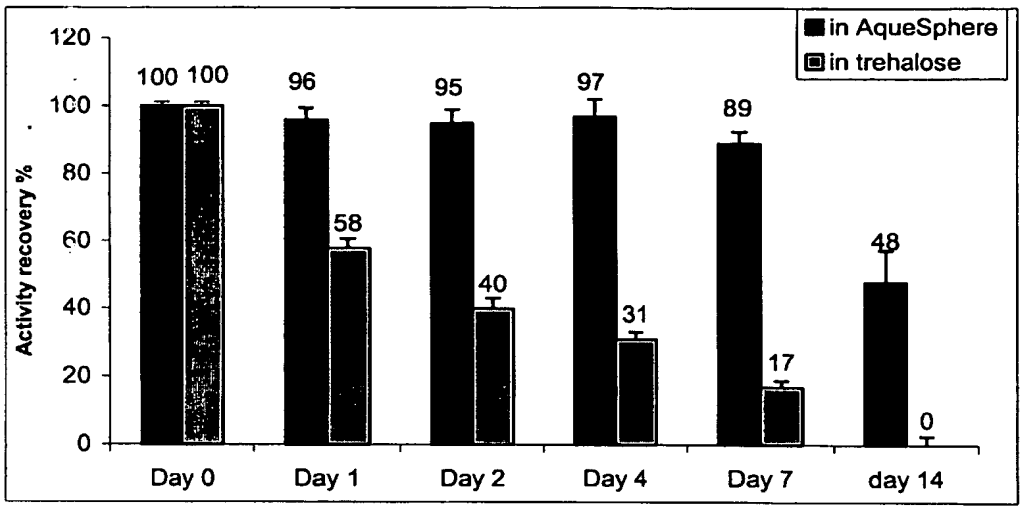



Figure 10. Catalytic activity of AqueSphere-loaded β-galactisidase as a function of incubation time in a hydrated state at 37°C.

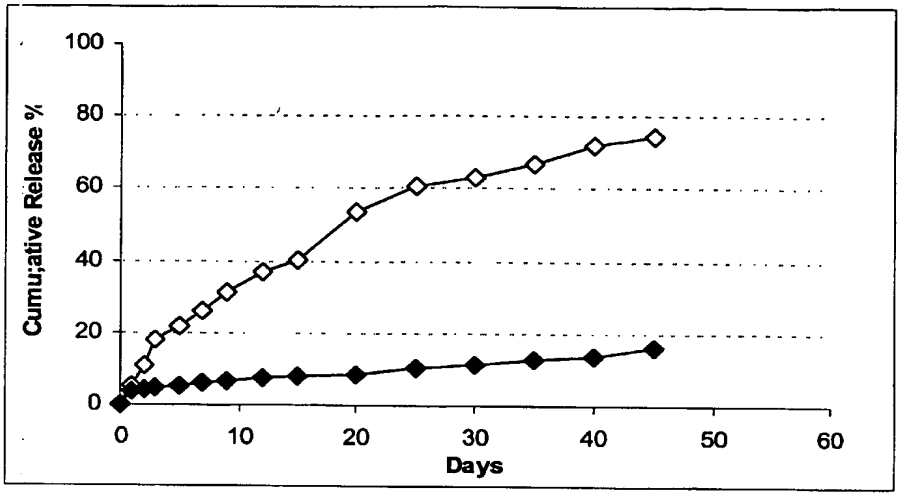



Figure 11. Release profile of myoglobin from PLGA microspheres.

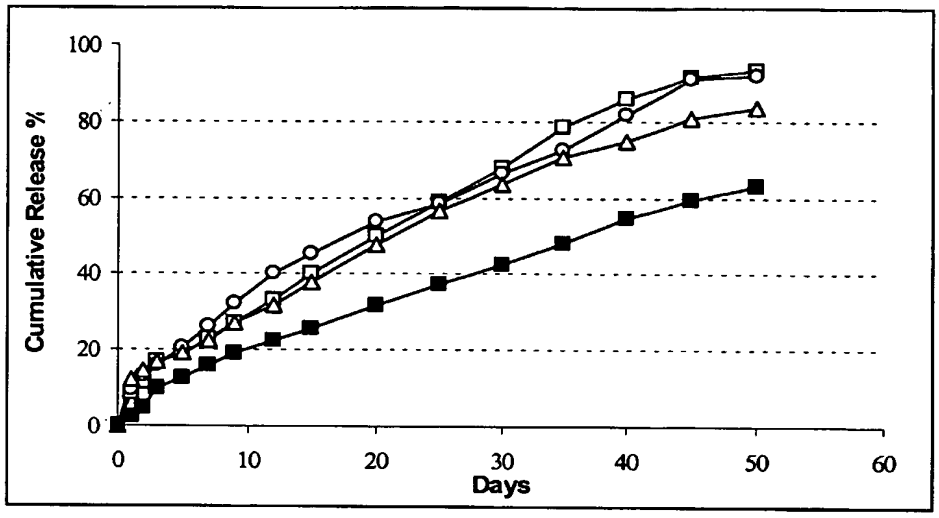



Figure 12. Release profiles of myoglobin microencapsulated in PLGA microspheres as AqueSpheres.

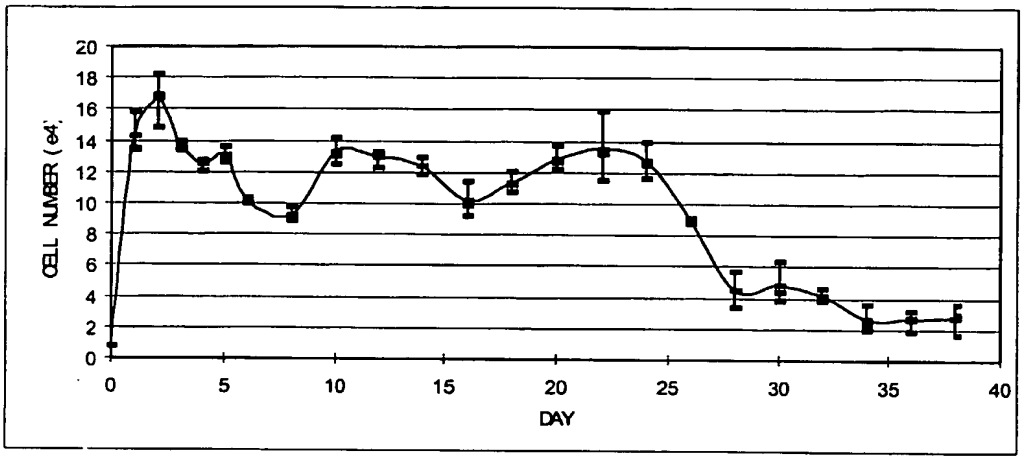



Figure 13. Bioactivity of rhGM-CSF assayed after release from PLGA microspheres at 37 ° C.